

Claims:

1. A method and system for provisioning mobile communication services comprising:

at least one front-end device installed within or nearby a predefined area and configured to monitor exchange of messages between mobile stations located within said area and cellular system base stations;

a management system containing database of subscriber profiles and configured to enable services depending upon location of subscribers.

2. The system of claim 1, wherein:

said management system is interconnected with mobile switching center and communication services depending upon location include selective screening of calls.

3. The system of claim 1, wherein:

said management system is interconnected with mobile switching center and communications services depending upon location include available connection bandwidth.

4. The system of claim 1, wherein:

said front-end device employs geographical intersection techniques to determine location of each received mobile station originated message and transfers said location information to said Mobile Switching Center.

5. The system of claim 1, wherein:

a profile entries can be dynamically updated by
 m of claim 1, wherein:
 and device incorporates a local interface to external
 identity information is reported.
 m of claim 5, wherein:
 system is a time logging system.
 m of claim 5, wherein:
 system is a security access granting device.
 and system for providing mobile communication
 front-end device installed within or nearby a pre
 to transmit at least one control channel and receive
 n mobile stations of a given cellular system thro
 said control channel:
 and device is implemented on a Personal Comput
 ot.
 em of claim 9, wherein:
 al computer includes a subscriber profile databas
 accepted or denied, based on respective subscrib

Said Personal computer includes a subscriber profile database whereas registration requests are accepted or denied, based on respective subscriber database entries.

[illegible]

11. The system of claim 9, wherein:

said front-end device is connected through a communications link to said cellular system Mobile Switching CenterMobile Switching Center.

12. The system of claim 9, wherein:

said front-end device is configured to locally communicate SMS type messages with locally registered mobile stations.

13. The system of claim 9, wherein:

said front-end device is configured to locally communicate high bandwidth content within the predefined area.

14. A method and system for positioning of mobile communication stations comprising:

a radio device transmitting a representative radio signals, having characteristics representing a predefined area where said signal is received;

a management system interconnected with cellular system switching center, said management system having a database of representative radio signal characteristics and location, said management system receives information of representative radio signals information received by mobile stations, and compares with said database, thereby extracting a list of mobile stations location within said predefined area.

15. The system of claim 14, wherein:

said radio signals has characteristics of a base station control channel.

[illegible]

16. The system of claim 14, wherein:

said radio signals information received by said management system is adjacent cell information received from mobile stations.

17. The system of claim 14, wherein:

said management system receives said radio signal information from cellular system switching center software.

18. The system of claim 14, wherein:

said management system is implemented within the cellular system switching center software.

19. The system of claim 12, wherein:

The cellular communications system provides conditioned communications services based on mobile station location within the predefined area.

20. The system of claim 12, wherein:

said subscriber profile database includes an external interface that enables updates of subscriber profile information.

21. The system of claim 12, wherein:

said radio signals are implemented according to Shared Wireless Access Protocol(Cordless Access) and a corresponding receiver is attached to the mobile stations.

22. The system of claim 12, wherein:

- 26 -

1. The first part of the report is a general introduction to the project, which includes the purpose, objectives, and scope of the study.